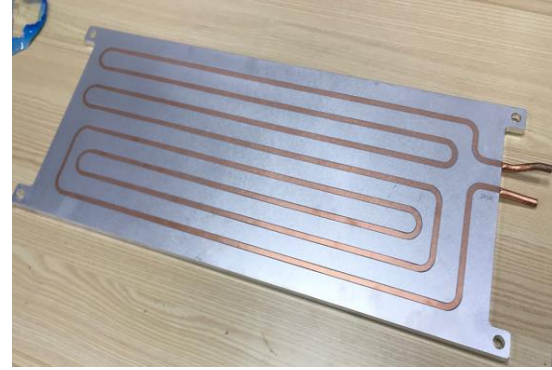


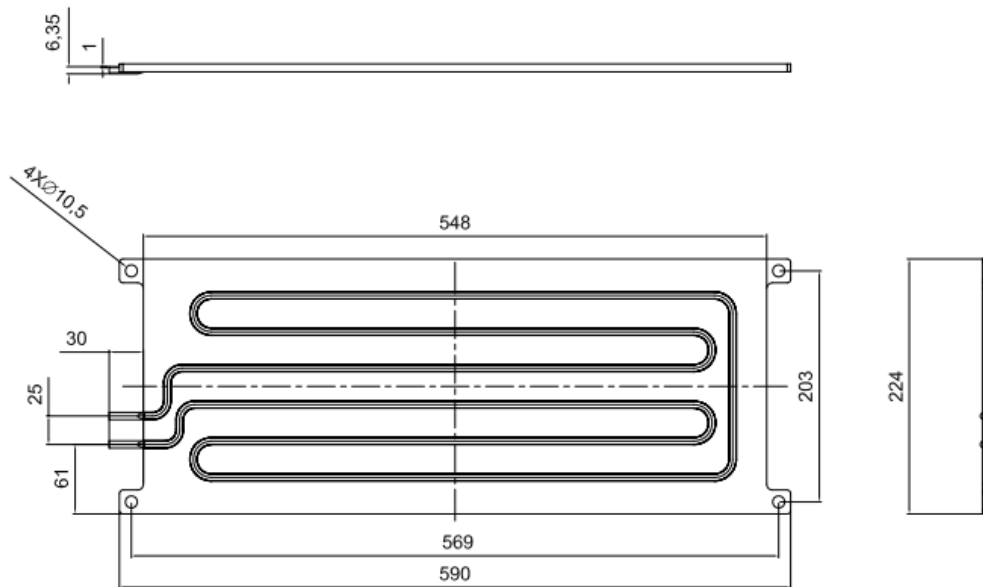
COPPER TUBE LIQUID COLD PLATE

Electronic components in special environments need a heat dissipation solution with low thermal resistance. Usually, this kind of copper tube or stainless steel tube is used as the channel of liquid fluid. The way of cooperation makes the copper tube and the aluminum plate closely linked, and there is no thermal resistance medium and gap in the middle. The epoxy resin is cured at room temperature, or the epoxy resin is cured quickly by heating, and then CNC processed. This high-efficiency heat dissipation method Water cooling plates are often used for Battery modules

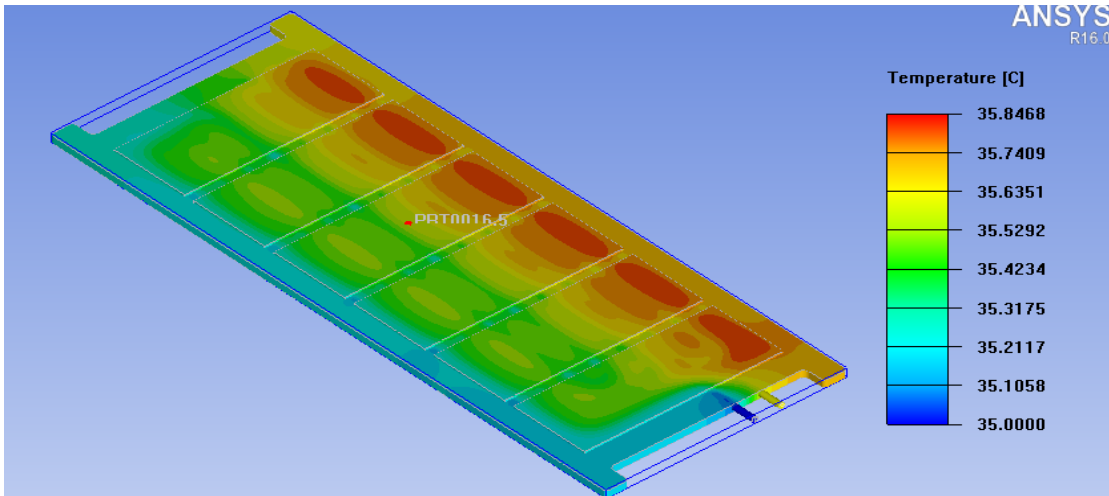


PRODUCT SPECIFICATIONS

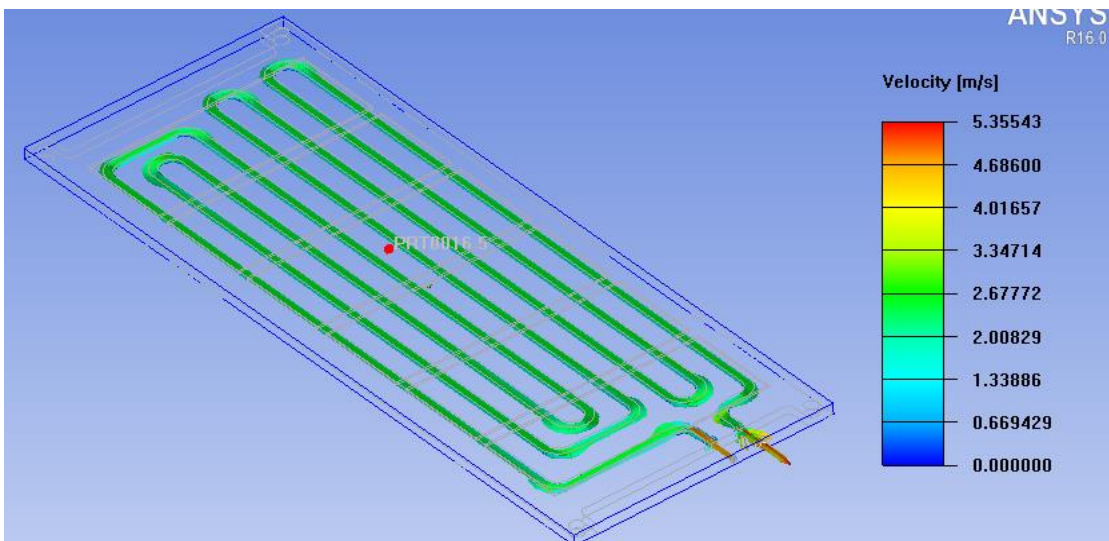
Plates Details: Extruded Aluminum 6063-T5
Tube Material: Copper 1100 6.35mm ODx4.02mm wall
Standard Finish: Chromate Coating
Epoxy :Aluminum Filled –High thermal Conductivity
Measurement : 590*224*7mm



THERMAL SIMULATION ANALYSIS



- Thermal power @ 180W
- The ambient temperature is 35 ° C
- The flow of water 4LPM
- Thermal resistance: $(35.8-35)/500=0.005$

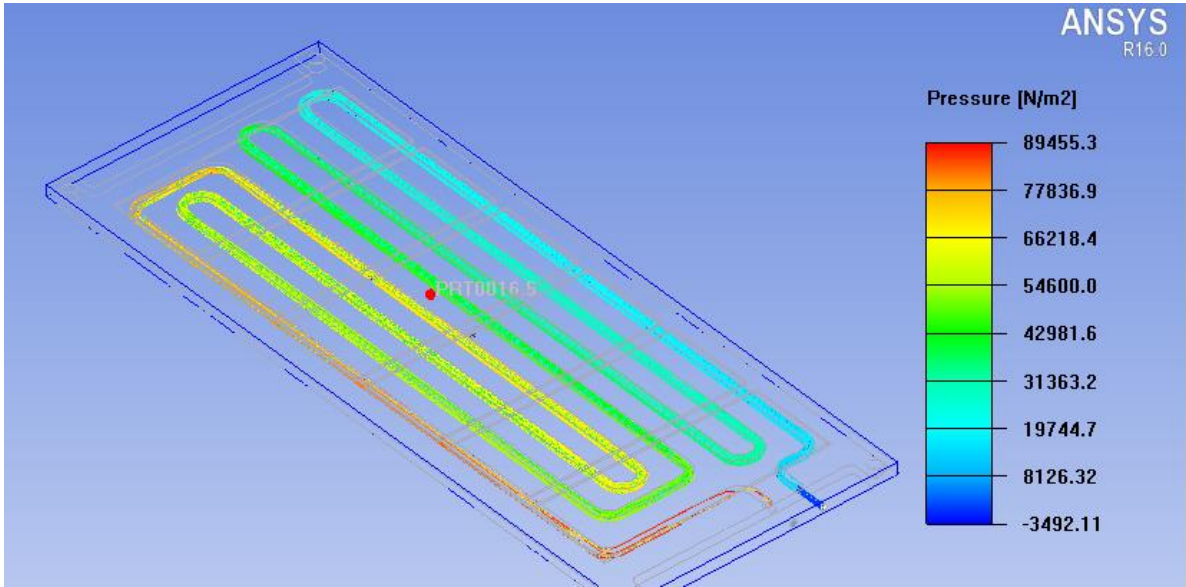


- Velocity Max 1.76m/s

DATASHEET

6PASS COPPER TUBES COLD PLATE

ANSYS
R16.0



- Pressure Max 89455N/m²

MASS PRODUCTION:

